

**Title:** SYSTEM AND METHOD FOR DYNAMIC DATA BINDING  
IN DISTRIBUTED APPLICATIONS  
**Inventor:** Edward K. O'Neil  
**Application No.:** Not Yet Assigned  
**Docket No.:** BEAS-01448US1  
**Filing date:** Filed Herewith  
**Attorney:** Daniel J. Burns  
**Telephone No.:** (415) 362-3800  
**Express Mail No.:** EV385255188US

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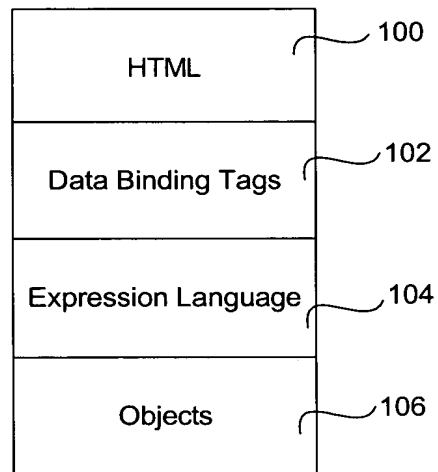


Fig. 1

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```

    <netui-data                                     binding:repeater
dataSource="{actionForm.purchaseOrder.lineItems}">
    <netui-data binding:repeaterHeader>
      <table>
        <tr><td>Product                                     Name</td><td>Unit
Price</td><td>Quantity</td></tr>
      </netui-data binding:repeaterHeader>
      <netui-data binding:repeaterItem>
        <tr>
          <td><netui:label value="{container.item.name}"/></td>
          <td><netui:label
value="{container.item.unitPrice}"/></td>
          <td><netui:label value="{container.item.quantity}"/></td>
        </tr>
      </netui-data binding:repeaterItem>
    </netui-data binding:repeaterFooter>
  </table>
</netui-data binding:repeaterFooter>
</netui-data binding:repeater>

```

Fig. 2

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```

    <netui-data                                     binding:repeater
dataSource="{actionForm.purchaseOrderArray}">
    <netui-data binding:repeaterHeader>
        <table>
            <tr><td>Customer                               Name</td><td>Customer
Status</td><td>Purchase Total</td></tr>
        </netui-data binding:repeaterHeader>
        <netui-data binding:repeaterItem>
            <tr>
                <td><netui:label value="{container.item.name}"/></td>
                <td><netui:label value="{container.item.status}"/></td>
                <td><netui:label
value="{container.item.purchaseTotal}"/></td>
            </tr>
            <tr>
                <netui-data                                     binding:repeater
dataSource="{container.item.lineItems}">
                ... body content from the above example ...
            </netui-data binding:repeater>
            </tr>
        </netui-data binding:repeaterItem>
        <netui-data binding:repeaterFooter>
            </table>
        </netui-data binding:repeaterFooter>
    </netui-data binding:repeater>
  
```

Fig. 3

**Title:** SYSTEM AND METHOD FOR DYNAMIC DATA BINDING  
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```

    <netui:form action="UpdateCart">
      <netui-data binding:repeater
dataSource="{actionForm.purchaseOrder.lineItems}">
        <netui-data binding:repeaterHeader>
          <table>
            <tr><td>Product
Name</td><td>Unit
Price</td><td>Quantity</td></tr>
          </netui-data binding:repeaterHeader>
          <netui-data binding:repeaterItem>
            <tr>
              <td><netui:label
value="{container.item.name}"/></td>
              <td><netui:label
value="{container.item.unitPrice}"/></td>
              <td><netui:testBox
dataSource="{container.item.quantity}"/></td>
            </tr>
          </netui-data binding:repeaterItem>
          <netui-data binding:repeaterFooter>
            </table>
          </netui-data binding:repeaterFooter>
        </netui-data binding:repeater>
        <netui:button>Update</netui:button><br/>
      </netui:form>

```

Fig. 4

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```

<netui-data binding:repeater
dataSource="{pageFlow.cart.lineItemList}">
  <netui-data binding:repeaterHeader>
    <table class="table" border=true>
      <tr class="tablehead"><td>Name</td><td>Shipped
Date</td><td>Arrival Date (est)</td></tr>
    </netui-data binding:repeaterHeader>
    <netui-data binding:repeaterItem>
      <netui-data binding:choiceMethod object="{pageFlow}"
method="getShippingState">
        <netui-data binding:methodParameter
value="{container.item.shipState}"/>
        </netui-data binding:choiceMethod>
        <netui-data binding:choice value="inTransit">
          <tr class="row">
            <td><one embodiment-html:label
value="{container.item.name}"/></td>
            <td><one embodiment-html:label
value="12/29/2002"/></td>
            <td><one embodiment-html:label
value="1/8/2003"/></td>
          </tr>
        </netui-data binding:choice>
        <netui-data binding:choice value="arrived">
          <tr class="row">
            <td><one embodiment-html:label
value="{container.item.name}"/></td>
            <td colspan=2><one embodiment-html:label
value="Arrived"/></td>
          </tr>
        </netui-data binding:choice>
        <netui-data binding:choice value="notShipped">
          <tr class="row">
            <td><one embodiment-html:label
value="{container.item.name}"/></td>
            <td colspan=2><one embodiment-html:label
value="Not Yet Shipped"/></td>
          </tr>
        </netui-data binding:choice>
        <netui-data binding:choice default="true">
          <tr class="row">
            <td><one embodiment-html:label
value="{container.item.name}"/></td>
            <td class="rowerror" colspan=2>
              <one embodiment-html:label value="Error;
status unknown. Call customer service at 1-800-555-1212"/>
            </td>
          </tr>
        </netui-data binding:choice>
      </netui-data binding:repeaterItem>
    </table>
  </netui-data binding:repeaterFooter>
</netui-data binding:repeater>

```

Fig. 5

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```

    <netui-data binding:grid dataSource="{pageFlow.allProducts}"
    name="{pageFlow.viewAllGridName}">
      <netui-data binding:pager renderInFooter="true"
    renderInHeader="true" action="ViewAll" pageSize="10"/>

      <netui-data binding:gridStyle rowClass="rowgrid"
    headerClass="theadgrid"
                                     tableClass="tablegrid"
    alternatingRowClass="alternatingRowgrid"/>

      <netui-data binding:columns sortable="true"
    filterable="true" sortAction="Sort" filterAction="Filter">
        <netui-data binding:basicColumn title="Product ID"
    name="productid"/>
        <netui-data binding:basicColumn title="Product Name"
    name="productname"/>
        <netui-data binding:basicColumn title="Unit Price"
    name="unitprice"/>
        <netui-data binding:basicColumn title="Category ID"
    name="categoryid"/>
        <netui-data binding:anchorColumn action="ViewDetails"
    title="Details">
          <one embodiment-html:parameter
    name="_autoscope__primaryKey"
    value="{container.metadata.uniqueIdentifier}"/>
        </netui-data binding:anchorColumn>
        <netui-data binding:anchorColumn action="Delete"
    title="Delete">
          <one embodiment-html:parameter
    name="_autoscope__primaryKey"
    value="{container.metadata.uniqueIdentifier}"/>
        </netui-data binding:anchorColumn>
      </netui-data binding:columns>
    </netui-data binding:grid>
  
```

Fig. 6

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```

[Pager in Header]
<table [class=GridStyle.tableClass]>
  <tr [class=GridStyle.headerClass]>
    <td>column 1: header</td><td>column 2:
header</td><td>column 3: header</td>
  </tr>
  <tr [class=GridStyle.rowClass]>
    <td>column 1: data cell</td><td>column 2: data
cell</td><td>column 3: data cell</td>
  </tr>
  <tr [class=GridStyle.alternatingRowClass]>
    <td>column 1: data cell</td><td>column 2: data
cell</td><td>column 3: data cell</td>
  </tr>
  <tr [class=GridStyle.rowClass]>
    <td>column 1: data cell</td><td>column 2: data
cell</td><td>column 3: data cell</td>
  </tr>
  <tr [class=GridStyle.footerClass]>
    <td>column 1: footer</td><td>column 2:
footer</td><td>column 3: footer</td>
  </tr>
</table>
[Pager in Footer]

```

Fig. 7